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applications. There is an abundance of exercises and problems through the text, and the last thirty-five pages is given up to review exercises on the various chapters. While it is true that the large part of the problems are concerned with concrete things, rather than having a practical application in themselves, there are many interesting ones, some of which correlate this subject with other school subjects to good purpose. The historical notes are well chosen and are attractively arranged. The table of contents and the index are particularly usable, and the book is attractive in its general makeup.

**Thoughts on Ultimate Problems.** By F. W. FRANKLIN. London: David Nutt. Pp. 150. 1/6.

The following topics from the table of contents gives an idea of the field covered: A synoptic statement of two Theodocies; Notes on a new theory of time; Altruism and happiness; Theory of discrete manifolds; Historical data concerning the birth of Christ; The Johannine problem; etc.

The author is a profound thinker and gives here a condensed statement of his conclusions in rather technical language.

**Analytic Mechanics.** By JOHN ANTHONY MILLER and SCOTT BARRETT LILLY. Boston: D. C. Heath & Co. Pp. 297.

This book treats of those fundamental principles of mechanics which they believe to be essential to the progress of a student pursuing physics, engineering or celestial mechanics.

One purpose of the work is to develop facility in the application of mathematical principles to physical phenomena and to this end there are a large number of problems throughout the book. For the most part the illustrative problems are drawn from real structures or real machines.

**A Text-Book on Practical Mathematics for Advanced Technical Students.**

By H. LESSLIE MANN. London and New York: Longmans, Green & Co. Pp. 487. \$2.10 net.

This book is intended to cover a two- or three-years' course and comprises algebra, trigonometry, calculus, and the application of these to concrete examples. By treating the different subjects in one book in this way the author can emphasize those topics most used in the work of the calculus and its applications. The problems are well chosen and a student who completes the book should have a good knowledge of the subjects treated.

**Ten Years at Yale.** A Series of Papers on Certain Defects in the University World of To-day. By GEORGE FREDERICK GUNDELFINGER. New York: The Shakespeare Press. Pp. 216. \$1.00 net.

"This is a series of papers constructed from thoughts, remarks and observations, jotted down by the author from time to time during his